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Ormation Disclosure Statement (IDS) Filed

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	Application Number		10721693	
	Filing Date		2003-11-25	
INFORMATION DISCLOSURE	First Named Inventor	First Named Inventor William F. Kaemmerer		
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		1635	
AP86	Examiner Name	L. Wollenberger		
18 18 18 18 18 18 18 18 18 18 18 18 18 1	Attorney Docket Number		48169.00016/P0011089.00	

ALT.	7			11.6	PATENTS	
WIENT & TRE				0.5.	PAIENIS	
	miner Cite Detait Number		Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	4683195		1987-07-28	Mullis et al.	
	2	4683202		1987-07-28	Mullis	
	3	4800159		1989-01-24	Mullis et al.	
	4	4888829		1989-12-26	Kleinerman et al.	
	5	4965188		1990-10-23	Mullis et al.	
	6	5236908		1993-08-17	Gruber et al.	
	7	5354326		1994-10-11	Comben et al.	
	8	5534350		1996-07-09	Liou	

i

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693			
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Attorney Docket Number		48169.00016/P0011089.00			

	Τ		1	T	T
9	5624803		1997-04-29	Noonberg et al.	
10	5639275		1997-06-17	Baetge et al.	
11	5702716		1997-12-30	Dunn et al.	
12	5720720		1998-02-24	Laske et al.	
13	5735814		1998-04-07	Elsberry et al.	
14	5782892		1998-07-21	Castle et al.	
15	5800390		1998-09-01	Hayakawa et al.	
16	5814014	ï	1998-09-29	Elsberry et al.	
17	5840059		1998-11-24	March et al.	
18	5882561		1999-03-16	Barsoum et al.	
19	5925310		1999-07-20	Nakayama et al.	

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Attorney Docket Number		48169.00016/P0011089.00			

20	5942455	1999-08-24	Barsoum et al.	
21	5968059	1999-10-19	Ellis et al.	
22	5997525	1999-12-07	March et al.	
23	6042579	2000-03-28	Elsberry et al.	
24	6093180	2000-07-25	Elsberry	
25	6110459	2000-08-29	Mickle et al.	
26	6151525	2000-11-21	Soykan et al.	
27	6180613	2001-01-30	Kaplitt et al.	
28	6187906	2001-02-13	Gluckman et al.	
29	6231969	2001-05-15	Knight et al.	
30	6245884	2001-06-12	Hook	

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First Named Inventor	Willia	m F. Kaemmerer		
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Attorney Docket Numb	oer	48169.00016/P0011089.00		

	T			
31	6281009	2001-08-28	Boyce	
32	6291243	2001-09-18	Fogarty et al.	
33	6294202	2001-09-25	Burns et al.	
34	6300539	2001-10-09	Morris	
35	6310048	2001-10-30	Kumar	
36	6313268	2001-11-06	Hook	
37	6319905	2001-11-20	Mandel et al.	
38	6343233	2002-01-29	Werner et al.	
39	6372250	2002-04-16	Pardridge	
40	6372721	2002-04-16	Neuman et al.	
41	6376471	2002-04-23	Lawrence, III et al.	

Application Number		10721693		
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Art Unit		1635		
Examiner Name	L. Wo	ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

	42	6436392		2002-08-20	Engelhardt et al.	
	43	6436708		2002-08-20	Leone et al.	
	44	6461989		2002-10-08	El-Raghy et al.	
	45	6468524		2002-10-22	Chiorini et al.	
	46	6551290		2003-04-22	Elsberry et al.	
	47	6594880		2003-07-22	Elsberry	
	48	6609020		2003-08-19	Gill	
	49	6632671		2003-10-14	Unger	
	50	6659995		2003-12-09	Taheri	
If you wish	h to ac	dd additional U.S. Paten	t citatio	n information pl	ease click the Add button.	
			U.S.P	ATENT APPLI	CATION PUBLICATIONS	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear

ł,

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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(Not for Submission under 57 Of IC 1.55)	Examiner Name	L. Wollenberger		
	Attorney Docket Number		er 48169.00016/P0011089.00	

				U.S.	PATENTS	to the state of th
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6870030		2005-03-22	Powell et al.	
	2	6945969		2005-09-20	Morris et al.	
	3	7320965		2008-01-22	Sah et al.	
	4	6309634		2001-10-30	Bankiewicz et al.	
	5	6372250		2002-04-16	Pardridge	
If you wish	to ad	ld additional U.S. Paten	t citatio	n information pl	ease click the Add button.	
	·····		U.S.P.	ATENT APPLI	CATION PUBLICATIONS	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060009408		2006-01-12	Davidson et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693				
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Art Unit		1635				
Examiner Name	L. Wo	llenberger				
Attorney Docket Number		48169.00016/P0011089.00	_			

2	20010027309	 2001-10-04	Elsberry	
3	20010031947	2001-10-18	Heruth	
4	20020004038	 2002-01-10	Baugh et al.	
5	20020068093	2002-06-06	Trogolo et al.	
6	20030078229	2003-04-24	Cooper et al.	
7	20030088236	2003-05-08	Johnson et al.	·
8	20030095958	2003-05-22	Bhisetti et al.	
9	20030109476	2003-06-12	Kmiec et al.	
10	20030120282	2003-06-26	Scouten et al.	
11	20030143732	2009-03-20	Fosnaugh et al.	
12	20030152947	2003-08-14	Crossman	

Application Number		10721693				
Filing Date		2003-11-25				
First Named Inventor	Willia	am F. Kaemmerer				
Art Unit		1635				
Examiner Name	L. W	ollenberger				
Attorney Docket Numb	er	48169.00016/P0011089.00				

13	20030190635	2003-10-09	McSwiggen
14	20030224512	2003-12-04	Dobie
15	20040023390	2004-02-05	Davidson
16	20040186422	2004-09-23	Rioux, Robert
17	20040215164	2004-10-28	Abott, Chun Lim
18	20040220132	2004-11-04	Kaemmerer, William F.
19	20040258666	2004-12-23	Passini, Marco A.
20	20040259247	2004-12-23	Tuschl, Thomas
21	20040265849	2004-12-30	Cargill, Michele
22	20040266707	2004-12-30	Leake, Devin
23	20050032733	2005-02-10	McSwiggen, James

1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693				
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Art Unit		1635				
Examiner Name	L. Wo	llenberger				
Attorney Docket Number		48169.00016/P0011089.00				

24	20050042646	2005-02-24	Davidson, Beverly L.	
25	20050048641	2005-03-03	Hildebrand, Keith	
26	20050137134	2005-06-23	Gill, Steven S.	
27	20050153353	2005-07-14	Meibohm, Bernd	
28	20050180955	2005-08-18	Bankiewicz, Krys	
29	20050202075	2005-09-15	Pardridge, William M.	
30	20050209179	2005-09-22	McSwiggen, James	
31	20050255086	2005-11-17	Davidson, Beverly L.	
32	20050282198	2005-12-22	Duff, Gordon W.	
33	20060014165	2006-01-19	Hackonarson, Hakon	-
34	20060041242	2006-02-23	Stypulkowski, Paul H.	

Application Number		10721693			
Filing Date		2003-11-25			
First Named Inventor William		n F. Kaemmerer			
Art Unit		1635			
Examiner Name	L. Wo	ollenberger			
Attorney Docket Numb	er	48169.00016/P0011089.00			

		·	, 	,		V			
	35	2006015 <u>0</u> 747		2006-07	'-13	Mallett, Scott			
	36	20060224411		2006-10)-05	Chang, Sheng	-Yen		
	37	20060257912		2006-11	I-16	Kaemmerer, W	∕illiam F.		
	38	20070184029		2007-08	3-09	Mishra, Allan			
	39	20080113351		2008-05	5-15	Naito, Yuki			
	40	20090022864		2009-01-22		Steenhof, Vinc	ent Jan		
	41	20020114780		2002-08-22		Bankiewicz, Kr	rys		
	42	20020141980		2002-10)-03	Bankiewicz, Kr	ys		
	43	20020187127		2002-12-12		Bankiewicz, Kr	ys		
If you wis	If you wish to add additional U.S. Published Ap			plication	citatio	n information p	lease click the Add	butto	n.
				FOREIG	SN PA1	ENT DOCUM	ENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i		Kind Code⁴	Publication Date	Name of Patentee Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear

Doc code :IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-08)
Approved for use through 05/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	Application Number Filing Date		10721693 2003-11-25		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor William		liam F. Kaemmerer		
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,	Examiner Name L. Wo		Vollenberger		
	Attorney Docket Numb	er	48169.00016/P0011089.00		

	U.S.PATENTS									
Examiner Initial*	Cite No	Patent Number	Kind Code¹ Issue Date citation information U.S.PATENT APPL Kind Code¹ Publication Date 2003-05-15 2003-09-18		Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear				
	1									
If you wish	h to ac	dd additional U.S. Paten	t citatio	n information pl	lease click the Add button.					
			U.S.P	ATENT APPLI	CATION PUBLICATIONS					
Examiner Initial*	Cite No	Publication Number	ı	1	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear				
	1	20030092003		2003-05-15	Blatt et al.					
	2	20030175772		2003-09-18	Wang, Jiwu					
	3	20040018520		2004-01-29	Thompson, James					
	4	20040023390		2004-02-05	Davidson et al.					
	5	20040023855		2004-02-05	John et al.					

Application Number		10721693			
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Art Unit		1635			
Examiner Name L. Wo		bllenberger			
Attorney Docket Number		48169 00016/P0011089 00			

	6	20050096284		2005-05	-05	McSwiggen, James					
	7	20060210538		2006-09-21		Kaplitt et al.					
	8	20070031844		2007-02-08		Khvorova et al.					
	9										
If you wish to add additional U.S. Published Application citation information please click the Add button.											
				FOREIG	SN PAT	ENT DOCUM	ENTS				
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	e or	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	Т5	
	1	19938960	DE								
	2	2004232811	JP								
	3	WO2005116204	wo			2005-08-12	RNAi Co., Ltd.				
	4	WO2008021157	wo			2008-02-21	Stewart et al.				
If you wisl	n to ac	ld additional Foreign Pa	atent Do	cument	citation	information pl	ease click the Add	butto	า	•	
	NON-PATENT LITERATURE DOCUMENTS										

Application Number		10721693	
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	1							
If you wisl	h to ac	Ldd additional U.S. Publi	ished Application	 า citatioเ	l n information p	blease click the Add butto	on.	
			FOREIC	GN PAT	TENT DOCUM	ENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code4	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	т5
	1	WO2007139811	wo		2007-12-06	Medtronic, Inc.		
	2	WO200205804	wo		2002-01-24	Smithkline Beecham		
	3	WO200030567	wo		2000-06-02	Healthshield Tech. LLC		
	4	WO2000604505	wo		2000-11-02	Healthshield Tech. LLC		
	5	WO200622639	wo		2006-03-02	Applera Corporation		
	6	WO200116312	wo		2001-03-08	Ribozyme Pharma.		
	7	WO2001049844	wo		2001-07-12	Rutgers		
	8	WO200160794	wo		2001-08-23	The Reg. of Univ. Cal.		

Application Number		10721693
Filing Date		2003-11-25
First Named Inventor	Willia	am F. Kaemmerer
Art Unit		1635
Examiner Name	L. W	/ollenberger
Attorney Docket Numb	per	48169.00016/P0011089.00

			 		 ,
9	WO200170276	wo	2001-09-27	US Government	
10	WO200180840	wo	2001-11-01	BTG Int'l. Limited	
11	WO200191801	wo	2001-12-06	Chiron Corporation	
12	WO200207810	wo	2020-01-31	Medtronic, Inc.	
13	WO200222177	wo	2002-03-21	Reg. of Univ. of Cal.	
14	WO200342385	wo	2003-05-23	Epiclore, Inc.	
15	WO2003047676	wo	2003-06-12	Medtronic, Inc.	
16	WO2003053516	wo	2003-07-03	Medtronic, Inc.	
17	WO2003070895	wo	2003-08-28	Ribozyme Pharma.	
18	WO2003099298	wo	2003-12-04	Maxplanck	
19	WO2003102131	wo	2003-12-11	SIRNA Therapeutics	

Application Number		10721693	•
Filing Date		2003-11-25	
First Named Inventor	Willia	am F. Kaemmerer	
Art Unit	•	1635	
Examiner Name	L. W	ollenberger	
Attorney Docket Numb	er	48169.00016/P0011089.00	

20	WO2004010787	wo	2004-02-05	Nissei Kab. Kaisha	
21	WO2004013280	wo	2004-02-12	Univ. of Iowa R.F.	
22	WO2004041101	wo	2004-05-21	Medtronic, Inc.	
23	WO2004047872	wo	2004-06-10	Medtronic, Inc.	
24	WO2004058940	wo	2004-07-15	Univ. of Iowa R.F.	
25	WO2004084955	wo	2004-10-07	Medtronic, Inc.	
26	WO2004098648	wo	2004-11-18	Genzyme Corporation	
27	WO2004101063	wo	2004-11-25	Medtronic, Inc.	
28	WO2005027980	wo	2005-03-31	Univ. of Mass.	
29	WO2005045034	wo	2005-05-19	Sirna Therapeutics	
30	WO2005120581	wo	2005-12-22	Genzyme Corporation	

Application Number		10721693			
Filing Date		2003-11-25			
First Named Inventor	Will	iam F. Kaemmerer			
Art Unit		1635			
Examiner Name	L. V	L. Wollenberger			
Attorney Docket Number		48169.00016/P0011089.00			

31	WO2007039721	wo		2007-04-12	Astrazeneca AB		
32	WO2007087451	wo		2007-08-02	Univ. of Mass.		
33	WO2008004260	wo		2008-01-10	Biorigen s.r.l.		
34	WO2008005562	wo		2007-07-09	Univ. of Mass.		
35	WO2008143774	wo		2008-11-27	Univ. of Mass.		
36	WO200846273	wo		2008-04-24	Huicai Wang		
37	WO2004007718	wo		2004-01-22	Max Planck-Gellschaft		
38	WO2004013355	wo		2004-02-12	Univ. of Iowa		
39	WO199220400	wo		1992-11-26	Sumitomo Pharma.		
40	WO199323569	wo		1993-11-25	Ribozyme Phama.		
41	WO199402595	wo		1994-02-03	Ribozyme Pharma.		
	32 33 34 35 36 37 38 39	32 WO2007087451 33 WO2008004260 34 WO2008005562 35 WO2008143774 36 WO200846273 37 WO2004007718 38 WO2004013355 39 WO199220400 40 WO199323569	32 WO2007087451 WO 33 WO2008004260 WO 34 WO2008005562 WO 35 WO2008143774 WO 36 WO200846273 WO 37 WO2004007718 WO 38 WO2004013355 WO 39 WO199220400 WO	32 WO2007087451 WO 33 WO2008004260 WO 34 WO2008005562 WO 35 WO2008143774 WO 36 WO200846273 WO 37 WO2004007718 WO 38 WO2004013355 WO 39 WO199220400 WO 40 WO199323569 WO	32 WO2007087451 WO 2007-08-02 33 WO2008004260 WO 2008-01-10 34 WO2008005562 WO 2007-07-09 35 WO2008143774 WO 2008-11-27 36 WO200846273 WO 2008-04-24 37 WO2004007718 WO 2004-01-22 38 WO2004013355 WO 2004-02-12 39 WO199220400 WO 1992-11-26 40 WO199323569 WO 1993-11-25	32 WO2007087451 WO 2007-08-02 Univ. of Mass. 33 WO2008004260 WO 2008-01-10 Biorigen s.r.l. 34 WO2008005562 WO 2007-07-09 Univ. of Mass. 35 WO2008143774 WO 2008-11-27 Univ. of Mass. 36 WO200846273 WO 2008-04-24 Huicai Wang 37 WO2004007718 WO 2004-01-22 Max Planck-Gellschaft 38 WO2004013355 WO 2004-02-12 Univ. of Iowa 39 WO199220400 WO 1992-11-26 Sumitomo Pharma. 40 WO199323569 WO 1993-11-25 Ribozyme Phama.	32 WO2007087451 WO 2007-08-02 Univ. of Mass. 33 WO2008004260 WO 2008-01-10 Biorigen s.r.l. 34 WO2008005562 WO 2007-07-09 Univ. of Mass. 35 WO2008143774 WO 2008-11-27 Univ. of Mass. 36 WO200846273 WO 2008-04-24 Huicai Wang. 37 WO2004007718 WO 2004-01-22 Max Planck-Gellschaft 38 WO2004013355 WO 2004-02-12 Univ. of Iowa 39 WO199220400 WO 1992-11-26 Sumitomo Pharma. 40 WO199323569 WO 1993-11-25 Ribozyme Phama.

Application Number	·	10721693		
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Art Unit		1635		
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Attorney Docket Number		48169.00016/P0011089.00		

	42	WO199618736	wo		1996-06-20	Ribozyme Pharma.		
	43	WO199740847	wo		1997-11-06	Medtronic, Inc.		
·	44	WO199846273	wo		1998-10-22	Paola Leone et al.		
	45	WO199846740	wo		1998-10-22	Antivirals, Inc.		
	46	WO199939744	wo		1999-08-12	Ohio State Univ.		
	47	WO199950300	wo		1999-10-07	The Trustees of PA Univ.		
If you wis	h to ac	dd additional Foreign P	atent Document o	citation	information pl	ease click the Add buttor	1	
			NON-PATEN	T LITE	RATURE DO	CUMENTS		
Examiner Initials*	Cite No		nal, serial, sympo	osium,	catalog, etc), c	the article (when appropi date, pages(s), volume-is		T5
	1	Aebisher, Trends in Neurosci. 24(9) 553-540 (Sept. 2001)						
	2	ALTSCHUL et al., "Gapp Acids Res., 25(17): 3389		O-BLAS	ST: a new gener	ration of protein database so	earch prorams," Nucl.	
	3							

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor William		n F. Kaemmerer		
Art Unit	-	1635		
Examiner Name	L. Wo	ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

 		-
4	Ambion Inc., pSilencer™ 1.0-U6 siRNA Expression Vector, Catalog # 7207-20 µg, November 2004, Austin, TX, 6 pgs.	
5	Ambion Technical Bulletin #506 (as published on Nov. 16, 2002) downloaded from www.archive.org	
6	Ambion, Inc., Silencer siRNA® Construction Kit, Cat. #1620, Instruction Manual, August 2005, 36 pgs.	
7	AUSUBEL et al., Eds., Current Protocols in Molecular Biology, Vols 1-3, John Wiley & Sons, Inc., New York, NY, 1994; title page, publisher's page and table of contents only, 14 pgs.	
8	BASI et al., "Antagonistic Effects of ß-site Amyloid Precursor Protein-cleaving Enzymes 1 and 2 on ß- Amyloid Peptide Production in Cells," J. Bio. Chem., Published, JBC Papers in Press, June 2003; 278(34): 31512-31520	
9	Bass et al., Nature 411: 428-429 (2001)	
10	Bertrand et al., Biochem Biophys Res Comm 296: 1000-1004 (2002)	
11	Bodendorf et al., J. Neurochem. 80(5), 799-806 (Mar. 2002)	
12	BOILLÉE et al., "Gene therapy for ALS deliver," Trends in Neurosciences, May 2004; 27(5): 235-238	
13	BORTOLIN, Susan et al., "Analytical validation of the tag-it high-throughout microsphere-based universal array genotyping platform. Application to the multiplex detection of a panel of thrombophilia-associates single-nucleotide polymorphisms." American Association for Clinical Chemistry Vol 50(11) 2028-2036 (2004)	
14	Brentano et al., P.N.A.S. 89:4099-4103 (1992)	

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor William		m F. Kaemmerer		
Art Unit		1635		
Examiner Name	L. Wo	ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

15	Brummelkamp et al., Science 296: 550-553 (2002)	
16	Burger et al., Mol. Ther. 10(2) 302-317 (Aug. 2004)	
17	Cahill et al Atlas of Human Cross-Sectional Anatomy Wiley-Liss, 3rd Ed. (1995)	
18	Cai et al., Nat. Neurosci. 4(3) 233-234 (2004)	
19	Callahan Am. J. Pathol. 158(3) 1173-1177 (2001)	
20	Caplen et al, Human Mol. Genet. 11(2) 175-184 (2002)	
21	Chen et al., Nucl. Acid. Res. 20, 4581-4589 (1992)	
22	CHI et al., "Genomewide view of gene silencing by small interfering RNAs," Proc. Natl. Acad. Sci. USA, May 2003; 100 (11): 6343-6346	
23	Chowhira et al., J. Biol. Chem. 269, 25856-25863 (1994)	
24	Christman, Tissue Engineering (10) 403-409 (2004)	
25	Cioffi et al., Biochem J. 365: 833-840 (2002)	

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor William		m F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		llenberger		
Attorney Docket Number		48169.00016/P0011089.00		

26	Clark et al., Annals Int. Med. 138 400-411 (2003)	
27	Clark et al., J. Neurosci. 17(19) 7385-7395 (1997)	
28	Cleary et al., Nat. Neurosci. 8(1) 79-84 (ePub Dec. 19, 2004)	
29	Couture et al., Trends in Genetics, 12(12) 510-515 (Dec. 1996)	
30	Dai et al., Developmental Biology 285:80-90 (2005)	
31	Davidson et al., The Lancet, Neurology 3, 145-149 (2004)	
32	Demetriades J. Neurolog. Sci. 203-204, 247-251 (2002)	
33	Dineley, J, Biol. Chem. 277 (25) 22768-22780 (2002)	
34	Dorri et al., Exp. Neurology 147 48-54 (1997)	
35	Dropulic et al., J. Virol. 66(1) 1432-1441 (1992)	
36	DURING et al., "Subthalamic GAD GeneTransfer in Parkinson's Disease Patients Who Are Candidates for Deep Brain Stimulation," Human Gene Therapy, August 2001; I2(12): 1587-1598	

Application Number		10721693
Filing Date		2003-11-25
First Named Inventor Willian		m F. Kaemmerer
Art Unit		1635
Examiner Name L. Wo		llenberger
Attorney Docket Number		48169.00016/P0011089.00

37	EI	Bashir, EMBOJ 20(23) 6877-6888 (2001)					
38	Ez	rin-Waters et al., Can. J. Neurol. Sci. 13, 8-14 (1986)					
39	Fu	u et al., Mo. Ther. 8(6) 911-917 (Dec. 2003)					
40	Ga	au, Am. J. Pathol., 160(2) 731-738 (2002)					
41		eneDetect.com Limited, Code GD100X-RV, (GeneDetect rAVE™ gene delivery reagent), copyright 2000-2002, ickland, New Zealand, 2 pgs.					
42		ERAERTS et al., Concise Review: Therapeutic Strategies for Parkinson Disease Based on Modulation of Adult eurogenesis. Stem Cells, November 2, 2006, Vol. 25, No. 2, pages 263-270.					
43	Ge	Gerlai Behav. Brain Res. 95 191-203 (1998)					
44	Glo	orioso, Curr. Opinion in Drug Discovery & Dev't 5(2) Pharma Press ISSN 1367-6733 (2002)					
45	Go	pod et al., Gene Ther. 4: 45-54 (1997)					
If you wish to	add a	additional non-patent literature document citation information please click the Add button					
		EXAMINER SIGNATURE					
Examiner Sig	nature	e Date Considered					
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Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor	Willia	m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		llenberger	
Attorney Docket Number		48169.00016/P0011089.00	

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	Goto et al., Neurology, 60(5) Suppl. 1 p. A286 (Mar 11, 2003)	
	2	Harrison et al., Mol. Cel. Neurosci. 24(3) 646-655 (2003)	
	3	Hartlage-Rubsamen et al., Glia 41(2) 169-179 (Dec. 28, 2002)	
	4	Heale et al., Nucl. Acid. Res. 22(3), 2005	
	5	Holen et al., Nucl. Acid Res. 30:1757-1766 (2002)	
	6	HOMMEL et al., "Local gene knockdown in the brain using viral-mediated RNA interference," Nature Medicine, December 2003; 9(12); 1539-1544	
	7	Hommel et al., Society for Neuroscience Abstract, 2003, Abstract 325.14 (2003).	
	8	Hooper et al., Neuroscience 63, 917-924 (1995)	
	9	Hsiao et al, Science 274 99-102(1996)	
	10	Huwyler et al., "Brain drug delivery of small molecules using immunoliposomes,"Proc. Natl. Acad., USA, November 1996;93:14164-14169.	

Application Number		10721693
Filing Date		2003-11-25
First Named Inventor	Willia	m F. Kaemmerer
Art Unit		1635
Examiner Name	L. Wa	llenberger
Attorney Docket Number		48169.00016/P0011089.00

11	Invitrogen, pShooter™ Vector (pCMV/myc© vectors), For the intracellular targeting of recombinant proteins and antibodies, Catalog nos. V820-20, V821-20, V822-20, V823-20, Version E, copyright 1998-2001, 35 pgs.	
12	Invitrogen, pTRACER™-CMV2, Catalog nos. V885-01, V885-20, Version C, copyright 1998-2001, 21 pgs.	
13	Isacson et al., Scandinavian Physiol. Society 179 173-177 (2003)	
14	Izánt et al., Science 299 345 (1985)	
15	Kaemmerer et al., Soc. Neurosci. Meeting (October 26, 2004)	
16	KAO et al., "BACE1 Suppression by RNA Interference in Primary Cortical Neurons," J. Bio. Chem., Published, JBC Papers in Press, November 2003, 2004; 279(3): 1942-1949	
17	Kashani-Sabet et al., Antisense Res. Dev. 2: 3-15 (1992)	
18	Katz et al., Bioessays 11(6): 181-185 (Dec. 1989)	
19	Kawarabayashi et al., J. Neurosci. 372-381 (2001)	
20	Kenderell et al., (2000) Nat. Biotech. 17, 896-898 (2000)	
 21	King et al., Physiology & Behavior, 75: 627-642, 2002	

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor William		m F. Kaemmerer	
Art Unit		1635	
Examiner Name	L. Wo	ollenberger	
Attorney Docket Number		48169.00016/P0011089.00	

22	Kitabwala et al., New England J. Med. 347(17) 1364-1367 (Oct 24, 2002)	
23	Kitazume J. Biol. Chem. 280(9) 8589-8595 (Mar. 4, 2005)	
24	Klement et al., Cell 95 41-53 (1998)	
25	L'Huillier et al., EMBO J. 11(12), 4411-4418 (1992)	
26	Laird et al., J. Neurosci. 25, 11693-11709 (Dec. 14, 2005)	
27	Le Gal La Salle et al, Science 259, 988-990 (1993)	
28	Li et al., Mol. Cell Bio. 22 (5) 1277-1287 (2002)	
29	Lisziewicz et al., Proc. Nat. Acad. Sci 90 8000-8004 (Sept 1993)	
30	Liu et al., Proc. Japan Academy, Series B, Physical and Biol. Sciences 79(10) 293-298 (Dec. 1993)	
31	Luo et al., Neurobiol. Dis. 14(1), 81-88 (Oct. 2003)	
32		

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor William		m F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

33	Luo, Nat. Neurosci. 4, 231-232 (2001)	
34	MACDONALD, M. et al., "A novel gene containing a trinucleotide repeat that is expanded and unstable on huntington's disease chromosomes," Cell, Vol. 72, 971-983 (1993)	
35	MAS-MONTEYS, A. et al., "Allele-Specific silencing of mutant huntingtin for huntington's disease therapy", Molecular Therapy 13: S274-S275 (2006)	
36	Matilla et al., J. Neurosci 18, 5508-5516 (1998)	
37	McGarry et al., Proc. Natl Acad. Sci. 83, 399-403 (1986)	
38	McManus et al., Nature Reviews/Genetics 3, 737-747 (Oct. 2002)	
39	Menei et al Neurosurgery 34: 1058-1064 (1994)	
40	Messier et al., Pharm. Biochem Behavior 63 313-318 (1999)	
41	Miller et al Proc. Nat. Acad. Sci. 100(12) 7195-7200 (June 10 2003)	
42	MIRUS, TransIT-Neural® Transfection Reagent, Product Nos. MIR 2144, MIR 2140, MIR 2145, MIR 2146, Lit. # ML022, Rev. 3/2/05, 5 pgs.	
43	MIRUS, TransIT-TKO® Transfection Reagent, Product Nos. MIR 2154, MIR 2150, MIR 2155, MIR 2156, Lit. # ML015, Rev. 7/04, 6 pgs.	

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor Willia		am F. Kaemmerer		
Art Unit		1635		
Examiner Name	L. W	ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

	44	Mogan et al., JECT 36: 191-196 (2004)					
	45	Morel et al., J. Comparative Neurology 387, 588-630 (1997)					
	46	Mucke et al., J. Neurosci. 20(11) 4050-4058 (Jun. 1, 2000)					
	47	Naldini et al., Proc. Nat. Acad. Sci. 93, 11382-11388 (Oct. 1996)					
	48	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, "What does NCBI do?" [online]. Bethesda, MD [retrieved on 2005-12-05], Revised December 2005. Retrieved from the Internet: <url:http: www.ncbi.nlm.nih.gov="">; 2 pgs.</url:http:>					
	49	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus AF163864, Accession No. AF163864, "Homo sapiens SNCA isoform (SNCA) gene, complete cds, alternatively spliced, "[online]. Bethesda, MD [retrieved on 2004-06-21]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11118351" www.ncbi.nlm.nih.gov="">; 43 pgs.</url:http:>					
National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus AF163865, Accession No. AF163865, "Mus musculus alpha-synuclein (Snca) gene, complete cds," [online]. Bethesda, MD [retrieved on 2004-06-21]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11118354" www.ncbi.nlm.nih.gov="">; 33 pgs.</url:http:>							
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Application Number		10721693		
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First Named Inventor William		m F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		llenberger		
Attorney Docket Number		48169.00016/P0011089.00		

1	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus AH003045, Accession No. AH003045, "Homo sapiens huntingtin (HD) gene, exon 1," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=663286" www.ncbi.nlm.nih.gov="">; 42 pgs.</url:http:>	
2	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000027, Accession No. NM_000027, "Homo sapiens aspartylglucosaminidase (AGA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=32313568" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
3	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000046, Accession No. NM_000046, "Homo sapiens arylsulfatase B (ARSB), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=38569404" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
4	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000049, Accession No. NM_000049, "Homo sapiens aspartoacylase (aminoacylase 1, Canavan disease) (ASPA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557334" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
5	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000147, Accession No. NM_000147, "Homo sapiens fucosidase, alpha-L1, tissue (FUCA1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=24475878" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	
6	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000152, Accession No. NM_000152, "Homo sapiens glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II) (GAA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11496988" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
7	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000153, Accession No. NM_000153, "Homo sapiens galactosylceramidase (Krabbe disease) (GALC), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557612" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
8	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000157, Accession No. NM_000157, "Homo sapiens glucosidase, beta; acid (includes glucosylceramidase) (GBA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4503934" www.ncbi.nlm.nih.gov="">; 7 pgs.</url:http:>	
9	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000158, Accession No. NM_000158, "Homo sapiens glucan (1, 4-alpha-), branching enzyme 1 (glucogen branching enzyme, Andersen disease, glycogen storage disease trype (IV)(GBE1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557618" www.ncbi.nlm.nih.gov="">; 2 pgs.</url:http:>	
10	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000181, Accession No. NM_000181, "Homo sapiens glucuronidase, beta (GUSB), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4504222" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
11	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000199, Accession No. NM_000199, "Homo sapiens N-sulfoglucosamine sulfohydrolase (sulfamidase) (SGSH), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=31543619" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	

		T		
Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor Willia		m F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

12	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000202, Accession No. NM_000202, "Homo sapiens iduronate 2-sulfatase (Hunter syndrome)(ID), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=5360215" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
13	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000203, Accession No. NM_000203, "Homo sapiens iduronidase, alpha-L-(IDUA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" fcgi?db="nucleotide&val=40354208" viewer.="" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
14	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000235, Accession No. NM_000235, "Homo sapiens lipase A, lysosomal acid, cholesterol esterase (Wolman disease) (LIPA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557720" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
15	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000262, Accession No. NM_000262, "Homo sapiens N-acetylgalactosaminidase, alpha- (NAGA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557780" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
16	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000263, Accession No. NM_000263, "Homo sapiens N-acetylglucosaminidase, alpha-(Sanfilippo disease) (IIIB)(NAGLU), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40548380" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
17	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000310, Accession No. NM_000310, "Homo sapiens palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile) (PPT1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4506030" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
18	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000332, Accession No. NM_000332, "Homo sapiens spinocerebellar ataxia 1 (olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1) (SCA1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4506792" www.ncbi.nlm.nih.gov="">; 7 pgs.</url:http:>	
19	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000345, Accession No. NM_000345, "Homo sapiens synuclein, alpha (nonA4 component of amyloid precursor) (SNCA), transcript variant NACP140, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=6806896" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
20	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000404, Accession No. NM_000404, "Homo sapiens glactosidase, beta 1 (GLB1), tranascript variant 179423, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=10834965" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
21	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000434, Accession No. NM_000434, "Homo sapiens sialidase 1 (lysosomal sialidase)(NEU1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40806202" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
22		

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor William		m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		ollenberger	
Attorney Docket Number		48169.00016/P0011089.00	

23	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000487, Accession No. NM_000487, "Homo sapiens arysulfatase A (ARSA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=7262293" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
24	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000512, Accession No. NM_000512, "Homo sapiens galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA), (GALNS), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=9945384" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
25	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000520, Accession No. NM_000520, "Homo sapiens hexosaminidase A (alpha polypeptide) (HEXA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13128865" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
26	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000521, Accession No. NM_000521, "Homo sapiens hexosaminidase B (beta polypeptide) (HEXB), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13128866" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
27	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000528, Accession No. NM_000528, "Homo sapiens mannosidase, alpha, class 2B, member 1 (MAN2B1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=10834967" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
28	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000543, Accession No. NM_000543, "Homo sapiens sphingomyelin phosphodiesterase 1 acid lysosomal (acid sphingomyelinase) (SMPD1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40254417" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
29	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_002076, Accession No. NM_002076, "Homo sapiens glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease)(IIID)(GNS), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url: entrez="" http:="" viewer.fcgi?db="nucleotide&val=42490755" www.ncbi.nlm.nih.gov="">; 7 pgs.</url:>	
30	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_002778, Accession No. NM_0002778, Accession No. NM_000169, "Homo sapiens glactosidase, alpha (GLA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4504008" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
31	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_002778, Accession No. NM_002778, "Homo sapiens prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy) (PSAP), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11386146" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
32	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_004315, Accession No. NM_004315, "Homo sapiens N-acylsphingosine amidohydrolase (acid ceramidase) 1 (ASAHI), transcript variant 2, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=30089929" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
33	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_004993, Accession No. NM_004993, "Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) (MJD), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13518018" www.ncbi.nlm.nih.gov="">; 9 pgs.</url:http:>	

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor Willia		ım F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		ollenberger	
Attorney Docket Number		48169.00016/P0011089.00	

34	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_005908, Accession No. NM_005908, "Homo sapiens mannosidase, beta A, Iyosomal (MANBA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=24797157" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
35	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_007308, Accession No. NM_007308, "Homo sapiens synuclein, alpha (nonA4 component of amyloid precursor) (SNCA), transcript variant NACP112, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=6806897" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
 36	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_009124, Accession No. NM_009124, "DEFINITION," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=33636695" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
37	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_011792, Accession No. NM_011792, Version NM_011792.2, "Mus musculus beta-site APP cleaving enzyme 1 (Bace 1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=31981411" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
38	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_011792.2, Accession No. NM_011792, "Mus musculus beta-site APP cleaving enzyme (Bace), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=6857758" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
39	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_012104, Accession No. NM_012104, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant a, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255011" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
40	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_012104, Accession No. NM_012104, Version NM_012104.2, "Homo sapiens beta-site APP-cleaving enzyme (BACE), transcript variant a, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21040369" www.ncbi.nlm.nih.gov="">; 10 pgs.</url:http:>	
41	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_013995, Accession No. NM_013995, "Homo sapiens lysosomal-associated membrane protein 2 (LAMP2), transcript variant LAMP2B, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=7669502" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
42	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_030660, Accession No. NM_030660, "Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) (MJD), transcript variant 2, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13518012" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
43	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_032520, Accession No. NM_032520, "Homo sapiens N-acetylglucosamine-1-phosphotransferase, gamma subunit (GNPTAG), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=42476109" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
44	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138971, Accession No. NM_138971, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant c, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255012" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor William		m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		llenberger	
Attorney Docket Number		48169.00016/P0011089.00	

4	15	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138971, Accession No. NM_138971, Version NM_138971.1, "Homo sapiens beta-site APP-cleaving enzyme (BACE), transcript variant c, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21040363" www.ncbi.nlm.nih.gov="">; 10 pgs.</url:http:>							
4	16	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138972, Accession No. NM_138972, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant b, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255013" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>							
4	17	Locus enzyr	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138972, Accession No. NM_138972, Version NM_138972.1, "Homo sapiens beta-site APP-cleaving enzyme (BACE), transcript variant b, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21040365" www.ncbi.nlm.nih.gov="">; 10 pgs.</url:http:>						
4	18	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138973, Accession No. NM_138973, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant d, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255014" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>							
4	19	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138973, Accession No. NM_138973, Version NM_138973.1, "Homo sapiens beta-site APP-cleaving enzyme (BACE), transcript variant d, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21040367" www.ncbi.nlm.nih.gov="">; 10 pgs.</url:http:>							
5	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus U24233, Accession No. U24233, "Mus musculus huntingtin (Hd) mRNA, complete cds," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=902003" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>								
If you wish	to ad	d add	ditional non-patent literature document citation information pl	lease click the Add t	putton				
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Examiner S	Signa	ture		Date Considered					
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.									

Application Number		10721693	
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First Named Inventor William		m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		llenberger	
Attorney Docket Number		48169.00016/P0011089.00	

1	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus XM_032588, Accession No. XM_032588, "homo sapiens dentatorubral-pallidoluysian atrophy (artrophin-1) (DRPLA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=20555988" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	
2	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus XM_132846, Accession No. XM_132846, "Mus musculus dentatorubral pallidoluysian atrophy (Drpla) mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=20832263" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	
3	Noonberg et al., Nucl. Acid Res. 22(14) 2830-2836 (1994)	
4	Noordmans et al., Soc. Neurosci. Abstr. 27, Program 572.14 (2001)	
5	Ohkawa Nucl. Acid. Symp. Ser. 27, 15-16 (1992)	
6	OHNO et al., "BACEI Deficiency Rescues Memory Deficits and Cholinergic Dysfunction in a Mouse Model of Alzheimer's Disease," Neuron, January 2004; 4I: 27-33	
7	Ojwang et al., Proc. Nat. Acad. Sci. 89 10802-10806	
8	Paxinos et al The Mouse Brain in Stereotactic Coordinates, Acad. Press 2nd Ed. (2001)	
9	POTTER, N. T. et al., "Technical standards and guidelines for huntington disease testing," Genetics in Medicine 6:61-65 (2004)	
10	Promega Corporation, T4 DNA Ligase Blue/White Cloning Qualified, Part# 9PIM180, Revised 4/05, 2 pgs	
11	Promega Corporation, T4 DNA Polymerase(a), Part# 9PIM421, Revised 5/04, 2 pgs	

4 413 4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor William		m F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		llenberger		
Attorney Docket Number		48169.00016/P0011089.00		

12	Qiagen, Qiaex II Handbook, February 1999, 24 pgs.	
13	Qiagen, Rneasy Mini Handbook, 3rd Edition, June 2001, 116 pgs.	
14	R&D Systems, ß-Secretase Activity Kit, Catalog Number FP002, 08/02, 2 pgs.	
15	ROBERDS et al., "BACE knockout mice are healthy despite lacking the primary ß-secretase activity in brain: implications for Alzheimer's disease therapeutics," Human Molecular Genetics, June 2001; 10(12): 1317-1324	
16	Ryu, Biomaterials 26: 319-326 (2005)	
17	Salehi et al., J. Neural Transm. 106 955-986 (1999)	
18	Sapru et al., Annual Meeting Soc. Neurosci. Abstract 297.9, XP001204566 (2003)	
19	Sarver et al., Science 247, 1222-1225 (1990)	
20	Scanlon et al., Proc. Nat. Acad. Sci. 88, 10591-10595 (1995)	
21	SCHENK, "Amyloid-ß immunotherapy for Alzheimer's disease: the end of the beginning," Nature Reviews - Neuroscience, October 2002; 3: 824-828	
22	Scherr et al., Cell Cycle 2(3) 251-257 (2003)	

6 69 g

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor William		m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		llenberger	
Attorney Docket Number		48169.00016/P0011089.00	

23	Serra et at., Medical Image Analysis 1(4) 317-329 (1996)	
24	Singer et al., Nat. Neurosci. 8(10) 1343-1349 (ePub Aug 28, 2005)	
25	Stackman et al., Experimental Neurology 184, 510-520 (2003)	
26	Strategene, AAV Helper-Free System, Instruction Manual, Catalog #240071, #240074, #240075, Revision #084007i, August 2004, 50 pgs	
27	Strategene, pBluescript® II Phagemid Vectors, Instruction Manual, Catalog #212205, #212206, #212207, #212208, Revision #083001m, August 2003, 35 pgs	
28	Sullenger, Science 262, p. 1566 (12.03.1993)	
29	Taira et al., Nucl. Acid. Res. 19(19) 5125-5130 (1991)	
30	Thompson et al., Nucl. Acid. Res. 23(12), 2259 (1995)	
31	Timson et al., Biochem J 363:515-520 (2002)	
32		
 33		

era, g.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor Willia		am F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		ollenberger	
Attorney Docket Number		48169.00016/P0011089.00	

34	Tuscjl Lab, "The siRNA user guide," Revised May 2004, [online]. Retrieved on 2005-11-29. Retrieved from the Internet: <url:rockefeller.edu labheads="" sirna.html="" tuschl="">; 6 pgs.</url:rockefeller.edu>	
35	Valbonesi et al., Ttransf. And Apheresis Sci. 30: 153-156 (2004)	
36	VAN BILSEN et al., "Identification and allele-specific silencing of the mutant huntingtin allele in Huntington's disease patient-derived fibroblasts," Human Gene Therapy, Vol. 19, pp. 710-718 (2008)	
37	Vassar et al., Science 286 735-741 (1999)	
38	Ventura et al., Nucl. Acid. Res. 21(14) 3249-3255 (1993)	
39	Vickers, Journal of Bio. Chemistry, Vol. 278, No. 9 7108-7118 (2003)	
40	Watanabe et al., J. Mol. Cel. Card. 37 (3) 691-698 (2004)	
41	Weerasinghe et al., J. Virol. 65(10), 5531-3334 (1991)	
42	Whitesell et al., Proc. Nat. Acad. Sci. 90: 4665-4669 (1993)	
43	Xia et al., Nat. Biotech. 20, 1006-1010 (2002)	
44	Xia et al., Nat. Med. 10(8) 816-820 (2004)	

...

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor William		ım F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		ollenberger	<u></u>	
Attorney Docket Number		48169.00016/P0011089.00		

	45	Yama	amoto et al., Cell 101, 57-66 (2000)						
	46	Yu et al., Proc. Nat. Acad. Sci. 90 6340-6344 (1993)							
	47	Yu et	Yu et al., Proc. Nat. Acad. Sci. 99 6047-6052 (2002)						
	48	Zhang et al., "Global Non-Viral Gene Transfer to the Primate Brain Following Intravenous Administration," Molecular Therapy, January 2003; 7(1): 11-18.							
	49	Zhang et al., "In vivo knockdown of gene expression in brain cancer with intravenous RNAi in adult rats," J. Gene Med., 2003; 5:1039-1045; published online 4 August 2003.							
	50	Zhang et al., "Intravenous RNA Interference Gene Therapy Targeting the Human Epidermal Growth Factor Receptor Prolongs Survival in Intracranial Brain Cancer," Clinical Cancer Research, June 1, 2004; 10:3667-3677.							
If you wis	h to a	dd adc	ditional non-patent literature document citation information ple	ease click the Add b	outton				
			EXAMINER SIGNATURE						
Examiner	Signa	ature		Date Considered					
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								
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Art Unit		1635		
Examiner Name L. Wo		ollenberger		
Attorney Docket Numb	er	48169.00016/P0011089.00		

	1	Zhan	Chang et al., 1996 J. Mol. Neurosci. 7: 13-28 (1996)						
	2	Zhao	et al., J. Biol. Chem. 271(49), 31407-31411 (Dec. 1996).						
	3	Zloko	Zlokovic et al., Neurosurgery 40 805-813 (1997)						
If you wisl	h to ac	ld add	ditional non-patent literature document citation information p	lease click the Add b	outton				
			EXAMINER SIGNATURE						
Examiner	Signa	ture		Date Considered					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									
¹ See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.									

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693		
Filing Date	-	2003-11-25		
First Named Inventor	Willia	m F. Kaemmerer		
Art Unit	_ 	1635		
Examiner Name L. W		/ollenberger		
Attorney Docket Number		48169.00016/P0011089.00	•	

Ī	MEEL	U.S.PATENTS					
	Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
		1	4683195		1987-07-28	Mullis et al.	
		2	4683202		1987-07-28	Mullis	
		3	4800159		1989-01-24	Mullis et al.	
		4	4888829		1989-12-26	Kleinerman et al.	
		5	4965188		1990-10-23	Mullis et al.	
		6	5236908		1993-08-17	Gruber et al.	
		7	5354326		1994-10-11	Comben et al.	
		8	5534350		1996-07-09	Liou	



Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor	Willia	m F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		llenberger		
Attorney Docket Number		48169.00016/P0011089.00		

-	т	T		T	
	9	5624803	1997-04-29	Noonberg et al.	
	10	5639275	1997-06-17	Baetge et al.	
	11	5702716	1997-12-30	Dunn et al.	
	12	5720720	1998-02-24	Laske et al.	
	13	5735814	1998-04-07	Elsberry et al.	
	14	5782892	1998-07-21	Castle et al.	
	15	5800390	1998-09-01	Hayakawa et al.	
	16	5814014	1998-09-29	Elsberry et al.	
	17	5840059	1998-11-24	March et al.	
	18	5882561	1999-03-16	Barsoum et al.	
	19	5925310	1999-07-20	Nakayama et al.	



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10721693		
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Art Unit		1635		
Examiner Name L. Wo		ollenberger		
Attorney Docket Numb	er	48169.00016/P0011089.00		

20	5942455	1999-08-24	Barsoum et al.
21	5968059	1999-10-19	Ellis et al.
22	5997525	1999-12-07	March et al.
23	6042579	2000-03-28	Elsberry et al.
24	6093180	2000-07-25	Elsberry
25	6110459	2000-08-29	Mickle et al.
26	6151525	2000-11-21	Soykan et al.
27	6180613	2001-01-30	Kaplitt et al.
28	6187906	2001-02-13	Gluckman et al.
29	6231969	2001-05-15	Knight et al.
30	6245884	2001-06-12	Hook

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor	Willia	m F. Kaemmerer		
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Examiner Name L. W		ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

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31	6281009	2001-08-28	Boyce	
32	6291243	2001-09-18	Fogarty et al.	
33	6294202	2001-09-25	Burns et al.	
34	6300539	2001-10-09	Morris	
35	6310048	2001-10-30	Kumar	
36	6313268	2001-11-06	Hook	
37	6319905	2001-11-20	Mandel et al.	
38	6343233	2002-01-29	Werner et al.	
39	6372250	2002-04-16	Pardridge	
40	6372721	2002-04-16	Neuman et al.	
41	6376471	2002-04-23	Lawrence, III et al.	

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor	Willia	n F. Kaemmerer		
Art Unit		1635		
Examiner Name L. Wo		llenberger		
Attorney Docket Number		48169.00016/P0011089.00		

		<u></u>		Υ	·				
	42	6436392 ^		2002-08-20	Engelhardt et al.				
	43	6436708		2002-08-20	Leone et al.				
	44	6461989		2002-10-08	El-Raghy et al.				
	45	6468524		2002-10-22	Chiorini et al.				
	46	6551290		2003-04-22	Elsberry et al.				
	47	6594880		2003-07-22	Elsberry				
	48	6609020		2003-08-19	Gill				
	49	6632671		2003-10-14	Unger				
	50	6659995		2003-12-09	Taheri				
If you wis	If you wish to add additional U.S. Patent citation information please click the Add button.								
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Doc code :IDS Doc description: Information Disclosure Statement (IDS) Filed

	Application Number		10721693	
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INFORMATION DISCLOSURE	First Named Inventor William		liam F. Kaemmerer	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		1635	
(Not for Submission ander 57 of K 1.33)	Examiner Name L. Wol		Vollenberger	
	Attorney Docket Number		48169.00016/P0011089.00	

				U.S.	PATENTS	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6870030		2005-03-22	Powell et al.	
	2	6945969		2005-09-20	Morris et al.	
	3	7320965		2008-01-22	Sah et al.	
	4	6309634		2001-10-30	Bankiewicz et al.	
	5	6372250		2002-04-16	Pardridge	
If you wish	n to ac	ld additional U.S. Paten	t citatio	n information pl	ease click the Add button.	
			U.S.P	ATENT APPLI	CATION PUBLICATIONS	· · · · · · · · · · · · · · · · · · ·
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060009408		2006-01-12	Davidson et al.	



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First Named Inventor	Willia	m F. Kaemmerer		
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Attorney Docket Numb	er	48169.00016/P0011089.00		

Ι				
2	20010027309	2001-10-04	Elsberry	
3	20010031947	2001-10-18	Heruth	
4	20020004038	2002-01-10	Baugh et al.	
5	20020068093	2002-06-06	Trogolo et al.	
6	20030078229	2003-04-24	Cooper et al.	
7	20030088236	2003-05-08	Johnson et al.	
8	20030095958	2003-05-22	Bhisetti et al.	
9	20030109476	2003-06-12	Kmiec et al.	
10	20030120282	2003-06-26	Scouten et al.	
11	20030143732	2009-03-20	Fosnaugh et al.	
12	20030152947	2003-08-14	Crossman	

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor	Willia	m F. Kaemmerer		
Art Unit		1635		
Examiner Name	L. W	ollenberger		
Attorney Docket Numb	er	48169.00016/P0011089.00		

 				
13	20030190635	2003-10-09	McSwiggen	
14	20030224512	2003-12-04	Dobie	
15	20040023390	2004-02-05	Davidson	
16	20040186422	2004-09-23	Rioux, Robert	1
17	20040215164	2004-10-28	Abott, Chun Lim	
18	20040220132	2004-11-04	Kaemmerer, William F.	
19	20040258666	2004-12-23	Passini, Marco A.	
20	20040259247	2004-12-23	Tuschl, Thomas	
21	20040265849	2004-12-30	Cargill, Michele	
22	20040266707	2004-12-30	Leake, Devin	
23	20050032733	2005-02-10	McSwiggen, James	

Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor	Willia	n F. Kaemmerer		
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Examiner Name	L. Wo	ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

2	24	20050042646	2005-02-24	Davidson, Beverly L.	
2	25	20050048641	2005-03-03	Hildebrand, Keith	
2	26	20050137134	2005-06-23	Gill, Steven S.	
2	27	20050153353	2005-07-14	Meibohm, Bernd	
2	28	20050180955	2005-08-18	Bankiewicz, Krys	
2	29	20050202075	2005-09-15	Pardridge, William M.	
3	30	20050209179	2005-09-22	McSwiggen, James	
3	31	20050255086	2005-11-17	Davidson, Beverly L.	
33	12	20050282198	2005-12-22	Duff, Gordon W.	
33	3	20060014165	2006-01-19	Hackonarson, Hakon	
34	4	20060041242	2006-02-23	Stypulkowski, Paul H.	



Application Number		10721693		
Filing Date		2003-11-25		
First Named Inventor	Willia	n F. Kaemmerer		
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Attorney Docket Numb	er	48169.00016/P0011089.00		

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	35	20060150747		2006-07-13		Mallett, Scott				:
	36	20060224411		2006-10-05		Chang, Sheng	-Yen			
	37	20060257912		2006-11-16		Kaemmerer, William F.				
	38	20070184029		2007-08-09		Mishra, Allan				
	39	20080113351		2008-05-15		Naito, Yuki				
	40	20090022864		2009-01-22		Steenhof, Vinc	ent Jan			
	41	20020114780		2002-08-22		Bankiewicz, Kr	ys			
	42	20020141980		2002-10)-03	Bankiewicz, Kr	ys			
	43	20020187127		2002-12-12		Bankiewicz, Krys				
If you wis	If you wish to add additional U.S. Published Application citation information please click the Add button.									
				FOREIG	SN PAT	ENT DOCUM	ENTS			
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	/ Kind		Publication Date	Name of Patentee Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5



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PTO/SB/08a (03-08)
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formation Disclosure Statement (IDS) Filed
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	Application Number		10721693	
NIEGOLIATION DIGGI GOLIDA	Filing Date		2003-11-25	
INFORMATION DISCLOSURE	First Named Inventor William		illiam F. Kaemmerer	
(Not for submission under 37 CFR 1.99)	Art Unit	1635		
(Not for Submission under 37 of K 1.55)	Examiner Name L. Wo		Wollenberger	
	Attorney Docket Numb	er	48169.00016/P0011089.00	

	,			U.S.	PATENTS		
Examiner Initial*	Cite No	Datent Number		Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1						
If you wis	h to a	dd additional U.S. Pater	nt citatio	n information p	lease click the Add button.		
			U.S.P	ATENT APPLI	CATION PUBLICATIONS		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1	20030092003		2003-05-15	Blatt et al.		
	2	20030175772		2003-09-18	Wang, Jiwu		
	3	20040018520		2004-01-29	Thompson, James		
	4	20040023390		2004-02-05	Davidson et al.		
	5	20040023855		2004-02-05	John et al.		



Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor	Willia	m F. Kaemmerer	,
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Examiner Name	L. Wo	ollenberger	
Attorney Docket Numb	er	48169.00016/P0011089.00	

	6	20050096284		2005-05	5-05	McSwiggen, J	ames			
	7	20060210538		2006-09	9-21	Kaplitt et al.				
	8	20070031844		2007-02	2-08	Khvorova et al				
	9									
If you wis	h to a	dd additional U.S. Publ	ished Ap	plication	citation	n information p	lease click the Add	d butto	on.	
				FOREIG	SN PAT	ENT DOCUM	ENTS			
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i		Kind Code⁴	Publication Date	Name of Patented Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	Т5
	1	19938960	DE							
	2	2004232811	JР	•						
	3	WO2005116204	wo			2005-08-12	RNAi Co., Ltd.			
,	4	WO2008021157	wo			2008-02-21	Stewart et al.			
If you wish	n to ac	ld additional Foreign P	atent Do	cument	citation	information pl	ease click the Add	butto	n	
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Application Number		10721693	
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First Named Inventor	Willia	am F. Kaemmerer	
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	1	·						
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			F	FOREIGN PAT	ENT DOCUM	ENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code⁴	Publication Date	Name of Patentee Applicant of cited Document	or Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	Т5
	1	WO2007139811	wo		2007-12-06	Medtronic, Inc.		
	2	WO200205804	wo		2002-01-24	Smithkline Beecham		
	3	WO200030567	wo		2000-06-02	Healthshield Tech. L	rc	
	4	WO2000604505	wo		2000-11-02	Healthshield Tech. L	LC	
	5	WO200622639	wo		2006-03-02	Applera Corporation		
	6	WO200116312	wo		2001-03-08	Ribozyme Pharma.		
	7	WO2001049844	wo		2001-07-12	Rutgers	·	
	8	WO200160794	wo		2001-08-23	The Reg. of Univ. Ca	al.	



Application Number		10721693	
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First Named Inventor	Willia	m F. Kaemmerer	
Art Unit		1635	
Examiner Name	L. Wo	ollenberger	<u> </u>
Attorney Docket Number		48169.00016/P0011089.00	

 			 		 · —
9	WO200170276	wo	2001-09-27	US Government	
10	WO200180840	wo	2001-11-01	BTG Int'l. Limited	
11	WO200191801	wo	2001-12-06	Chiron Corporation	
12	WO200207810	wo	2020-01-31	Medtronic, Inc.	
13	WO200222177	wo	2002-03-21	Reg. of Univ. of Cal.	
14	WO200342385	wo	2003-05-23	Epiclore, Inc.	
15	WO2003047676	wo	2003-06-12	Medtronic, Inc.	
16	WO2003053516	wo	2003-07-03	Medtronic, Inc.	
17	WO2003070895	wo	2003-08-28	Ribozyme Pharma.	
18	WO2003099298	wo	2003-12-04	Maxplanck	
19	WO2003102131	wo	2003-12-11	SIRNA Therapeutics	



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First Named Inventor	Willia	am F. Kaemmerer	
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Examiner Name	L. W	ollenberger	
Attorney Docket Numb	er	48169.00016/P0011089.00	

20	WO2004010787	wo	2004-02-05	Nissei Kab. Kaisha	
21	WO2004013280	wo	2004-02-12	Univ. of Iowa R.F.	
22	WO2004041101	wo	2004-05-21	Medtronic, Inc.	
23	WO2004047872	wo	2004-06-10	Medtronic, Inc.	
24	WO2004058940	wo	2004-07-15	Univ. of Iowa R.F.	
25	WO2004084955	wo	2004-10-07	Medtronic, Inc.	
26	WO2004098648	wo	2004-11-18	Genzyme Corporation	
27	WO2004101063	wo	2004-11-25	Medtronic, Inc.	
28	WO2005027980	wo	2005-03-31	Univ. of Mass.	
29	WO2005045034	wo	2005-05-19	Sirna Therapeutics	
30	WO2005120581	wo	2005-12-22	Genzyme Corporation	



Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor	Willia	m F. Kaemmerer	
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Examiner Name	L. Wo	llenberger	
Attorney Docket Numb	er	48169.00016/P0011089.00	

			·		·	,
31	WO2007039721	wo		2007-04-12	Astrazeneca AB	
32	WO2007087451	wo		2007-08-02	Univ. of Mass.	
33	WO2008004260	wo		2008-01-10	Biorigen s.r.l.	
34	WO2008005562	wo		2007-07-09	Univ. of Mass.	
35	WO2008143774	wo		2008-11-27	Univ. of Mass.	
36	WO200846273	wo		2008-04-24	Huicai Wang	
37	WO2004007718	wo		2004-01-22	Max Planck-Gellschaft	
38	WO2004013355	wo		2004-02-12	Univ. of Iowa	
39	WO199220400	wo		1992-11-26	Sumitomo Pharma.	
40	WO199323569	WO		1993-11-25	Ribozyme Phama.	
41	WO199402595	WO		1994-02-03	Ribozyme Pharma.	

Application Number		10721693
Filing Date		2003-11-25
First Named Inventor	Willia	m F. Kaemmerer
Art Unit	•	1635
Examiner Name	L. Wo	ollenberger
Attorney Docket Number	er	48169.00016/P0011089.00

	42	WO199618736	wo		1996-06-20	Ribozyme Pharma.		
	43	WO199740847	wo		1997-11-06	Medtronic, Inc.		
	44	WO199846273	wo		1998-10-22	Paola Leone et al.		
	45	WO199846740	wo		1998-10-22	Antivirals, Inc.		
	46	WO199939744	wo		1999-08-12	Ohio State Univ.		
	47	WO199950300	wo		1999-10-07	The Trustees of PA Univ.		
If you wis	h to ac	dd additional Foreign Pa	atent Document	citation	information pl	ease click the Add butto	n	
			NON-PATEN	NT LITE	RATURE DO	CUMENTS		
Examiner Initials*	Cite No		nal, serial, symp	osium,	catalog, etc), c	the article (when approp late, pages(s), volume-is		T 5
	1	Aebisher, Trends in Neu	rosci. 24(9) 553-54	40 (Sept	i. 2001)			
	2	ALTSCHUL et al., "Gapp Acids Res., 25(17): 3389		SO-BLAS	ST: a new gener	ration of protein database s	earch prorams," Nucl.	
	3							



Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor	Willia	m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		illenberger	
Attorney Docket Number		48169.00016/P0011089.00	

4	Ambion Inc., pSilencer™ 1.0-U6 siRNA Expression Vector, Catalog # 7207-20 µg, November 2004, Austin, TX, 6 pgs.	
5	Ambion Technical Bulletin #506 (as published on Nov. 16, 2002) downloaded from www.archive.org	
6	Ambion, Inc., Silencer siRNA® Construction Kit, Cat. #1620, Instruction Manual, August 2005, 36 pgs.	
7	AUSUBEL et al., Eds., Current Protocols in Molecular Biology, Vols 1-3, John Wiley & Sons, Inc., New York, NY, 1994; title page, publisher's page and table of contents only, 14 pgs.	
8	BASI et al., "Antagonistic Effects of ß-site Amyloid Precursor Protein-cleaving Enzymes 1 and 2 on ß- Amyloid Peptide Production in Cells," J. Bio. Chem., Published, JBC Papers in Press, June 2003; 278(34): 31512-31520	
9	Bass et al., Nature 411: 428-429 (2001)	
10	Bertrand et al., Biochem Biophys Res Comm 296: 1000-1004 (2002)	
11	Bodendorf et al., J. Neurochem. 80(5), 799-806 (Mar. 2002)	
12	BOILLÉE et al., "Gene therapy for ALS deliver," Trends in Neurosciences, May 2004; 27(5): 235-238	
13	BORTOLIN, Susan et al., "Analytical validation of the tag-it high-throughout microsphere-based universal array genotyping platform. Application to the multiplex detection of a panel of thrombophilia-associates single-nucleotide polymorphisms." American Association for Clinical Chemistry Vol 50(11) 2028-2036 (2004)	
14	Brentano et al., P.N.A.S. 89:4099-4103 (1992)	



Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor Willia		am F. Kaemmerer	
Art Unit		1635	
Examiner Name L. W		ollenberger	
Attorney Docket Number		48169.00016/P0011089.00	_

15	Brummelkamp et al., Science 296: 550-553 (2002)	
16	Burger et al., Mol. Ther. 10(2) 302-317 (Aug. 2004)	
17	Cahill et al Atlas of Human Cross-Sectional Anatomy Wiley-Liss, 3rd Ed. (1995)	
18	Cai et al., Nat. Neurosci. 4(3) 233-234 (2004)	
19	Callahan Am. J. Pathol. 158(3) 1173-1177 (2001)	
20	Caplen et al, Human Mol. Genet. 11(2) 175-184 (2002)	
21	Chen et al., Nucl. Acid. Res. 20, 4581-4589 (1992)	
22	CHI et al., "Genomewide view of gene silencing by small interfering RNAs," Proc. Natl. Acad. Sci. USA, May 2003; 100 (11): 6343-6346	
23	Chowhira et al., J. Biol. Chem. 269, 25856-25863 (1994)	
24	Christman, Tissue Engineering (10) 403-409 (2004)	
25	Cioffi et al., Biochem J. 365: 833-840 (2002)	

Application Number		10721693	
Filing Date		2003-11-25	
First Named Inventor William		m F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		llenberger	
Attorney Docket Number		48169.00016/P0011089.00	

26	Clark et al., Annals Int. Med. 138 400-411 (2003)	
27	Clark et al., J. Neurosci. 17(19) 7385-7395 (1997)	
28	Cleary et al., Nat. Neurosci. 8(1) 79-84 (ePub Dec. 19, 2004)	
29	Couture et al., Trends in Genetics, 12(12) 510-515 (Dec. 1996)	
30	Dai et al., Developmental Biology 285:80-90 (2005)	
31	Davidson et al., The Lancet, Neurology 3, 145-149 (2004)	
32	Demetriades J. Neurolog. Sci. 203-204, 247-251 (2002)	
33	Dineley, J, Biol. Chem. 277 (25) 22768-22780 (2002)	
34	Dorri et al., Exp. Neurology 147 48-54 (1997)	
35	Dropulic et al., J. Virol. 66(1) 1432-1441 (1992)	
	DURING et al., "Subthalamic GAD GeneTransfer in Parkinson's Disease Patients Who Are Candidates for Deep Brain Stimulation," Human Gene Therapy, August 2001; I2(12): 1587-1598	

Application Number		10721693
Filing Date		2003-11-25
First Named Inventor William		m F. Kaemmerer
Art Unit		1635
Examiner Name L. Wo		illenberger
Attorney Docket Number		48169.00016/P0011089.00

3	37	Bashir, EMBOJ 20(23) 6877-6888 (2001)					
3	38	zrin-Waters et al., Can. J. Neurol. Sci. 13, 8-14 (1986)					
3	9	u et al., Mo. Ther. 8(6) 911-917 (Dec. 2003)					
4	0	au, Am. J. Pathol., 160(2) 731-738 (2002)					
4		eneDetect.com Limited, Code GD100X-RV, (GeneDetect rAVE™ gene delivery reagent), copyright 2000-2002, uckland, New Zealand, 2 pgs.					
4		ERAERTS et al., Concise Review: Therapeutic Strategies for Parkinson Disease Based on Modulation of Adult eurogenesis. Stem Cells, November 2, 2006, Vol. 25, No. 2, pages 263-270.					
4	3	erlai Behav. Brain Res. 95 191-203 (1998)					
4	4	Glorioso, Curr. Opinion in Drug Discovery & Dev't 5(2) Pharma Press ISSN 1367-6733 (2002)					
4	5	Good et al., Gene Ther. 4: 45-54 (1997)					
If you wish t	o add	additional non-patent literature document citation information please click the Add button					
		EXAMINER SIGNATURE					
Examiner Si	ignatu	e Date Considered					
		I if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a					



Application Number		10721693	
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First Named Inventor Willia		am F. Kaemmerer	
Art Unit		1635	
Examiner Name L. Wo		ollenberger	
Attorney Docket Number		48169.00016/P0011089.00	

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T 5
	1	Goto et al., Neurology, 60(5) Suppl. 1 p. A286 (Mar 11, 2003)	
	2	Harrison et al., Mol. Cel. Neurosci. 24(3) 646-655 (2003)	
	3	Hartlage-Rubsamen et al., Glia 41(2) 169-179 (Dec. 28, 2002)	
	4	Heale et al., Nucl. Acid. Res. 22(3), 2005	
	5	Holen et al., Nucl. Acid Res. 30:1757-1766 (2002)	
	6	HOMMEL et al., "Local gene knockdown in the brain using viral-mediated RNA interference," Nature Medicine, December 2003; 9(12); 1539-1544	
	7	Hommel et al., Society for Neuroscience Abstract, 2003, Abstract 325.14 (2003).	
	8	Hooper et al., Neuroscience 63, 917-924 (1995)	
	9	Hsiao et al, Science 274 99-102(1996)	
	10	Huwyler et al., "Brain drug delivery of small molecules using immunoliposomes,"Proc. Natl. Acad., USA, November 1996;93:14164-14169.	



Application Number		10721693
Filing Date		2003-11-25
First Named Inventor William		m F. Kaemmerer
Art Unit		1635
Examiner Name L. Wo		llenberger
Attorney Docket Number		48169.00016/P0011089.00

11	Invitrogen, pShooter™ Vector (pCMV/myc© vectors), For the intracellular targeting of recombinant proteins and antibodies, Catalog nos. V820-20, V821-20, V822-20, V823-20, Version E, copyright 1998-2001, 35 pgs.	
12	Invitrogen, pTRACER™-CMV2, Catalog nos. V885-01, V885-20, Version C, copyright 1998-2001, 21 pgs.	
13	Isacson et al., Scandinavian Physiol. Society 179 173-177 (2003)	
14	Izant et al., Science 299 345 (1985)	
15	Kaemmerer et al., Soc. Neurosci. Meeting (October 26, 2004)	
16	KAO et al., "BACE1 Suppression by RNA Interference in Primary Cortical Neurons," J. Bio. Chem., Published, JBC Papers in Press, November 2003, 2004; 279(3): 1942-1949	
17	Kashani-Sabet et al., Antisense Res. Dev. 2: 3-15 (1992)	
18	Katz et al., Bioessays 11(6): 181-185 (Dec. 1989)	
19	Kawarabayashi et al., J. Neurosci. 372-381 (2001)	
20	Kenderell et al., (2000) Nat. Biotech. 17, 896-898 (2000)	
21	King et al., Physiology & Behavior, 75: 627-642, 2002	



Application Number		10721693			
Filing Date		2003-11-25			
First Named Inventor Willian		m F. Kaemmerer			
Art Unit		1635			
Examiner Name L. Wo		llenberger			
Attorney Docket Number		48169.00016/P0011089.00			

	22	Kitabwala et al., New England J. Med. 347(17) 1364-1367 (Oct 24, 2002)	
	23	Kitazume J. Biol. Chem. 280(9) 8589-8595 (Mar. 4, 2005)	
	24	Klement et al., Cell 95 41-53 (1998)	
	25	L'Huillier et al., EMBO J. 11(12), 4411–4418 (1992)	
	26	Laird et al., J. Neurosci. 25, 11693-11709 (Dec. 14, 2005)	
	27	Le Gal La Salle et al, Science 259, 988-990 (1993)	
	28	Li et al., Mol. Cell Bio. 22 (5) 1277-1287 (2002)	
	29	Lisziewicz et al., Proc. Nat. Acad. Sci 90 8000-8004 (Sept 1993)	
	30	Liu et al., Proc. Japan Academy, Series B, Physical and Biol. Sciences 79(10) 293-298 (Dec. 1993)	
	31	Luo et al., Neurobiol. Dis. 14(1), 81-88 (Oct. 2003)	
	32		

Application Number		10721693			
Filing Date		2003-11-25			
First Named Inventor William		am F. Kaemmerer			
Art Unit		1635			
Examiner Name	L. Wo	ollenberger			
Attorney Docket Number		48169.00016/P0011089.00			

33	Luo, Nat. Neurosci. 4, 231-232 (2001)	
34	MACDONALD, M. et al., "A novel gene containing a trinucleotide repeat that is expanded and unstable on huntington's disease chromosomes," Cell, Vol. 72, 971-983 (1993)	
35	MAS-MONTEYS, A. et al., "Allele-Specific silencing of mutant huntingtin for huntington's disease therapy", Molecular Therapy 13: S274-S275 (2006)	
36	Matilla et al., J. Neurosci 18, 5508-5516 (1998)	
37	McGarry et al., Proc. Natl Acad. Sci. 83, 399-403 (1986)	
38	McManus et al., Nature Reviews/Genetics 3, 737-747 (Oct. 2002)	
39	Menei et al Neurosurgery 34: 1058-1064 (1994)	
 40	Messier et al., Pharm. Biochem Behavior 63 313-318 (1999)	
41	Miller et al Proc. Nat. Acad. Sci. 100(12) 7195-7200 (June 10 2003)	
42	MIRUS, TransIT-Neural® Transfection Reagent, Product Nos. MIR 2144, MIR 2140, MIR 2145, MIR 2146, Lit. # ML022, Rev. 3/2/05, 5 pgs.	
43	MIRUS, TransIT-TKO® Transfection Reagent, Product Nos. MIR 2154, MIR 2150, MIR 2155, MIR 2156, Lit. # ML015, Rev. 7/04, 6 pgs.	



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First Named Inventor Willia		n F. Kaemmerer			
Art Unit		1635			
Examiner Name L. Wo		llenberger			
Attorney Docket Number		48169.00016/P0011089.00			

	44	Mog	Mogan et al., JECT 36: 191-196 (2004)														
	45	More	et al., J. Comp	arative Ne	urology(387, 588	3-630 (1	997)									
	46	Mucke et al., J. Neurosci. 20(11) 4050-4058 (Jun. 1, 2000)															
	47	Naldi	Naldini et al., Proc. Nat. Acad. Sci. 93, 11382-11388 (Oct. 1996)														
	48	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, "What does NCBI do?" [online]. Bethesda, MD [retrieved on 2005-12-05], Revised December 2005. Retrieved from the Internet: <url:http: www.ncbi.nlm.nih.gov="">; 2 pgs.</url:http:>															
	49	Locu:	al Center for Bi AF163864, Acc , " [online]. Bet trez/viewer.fcg	ession No hesda, MC	AF163 (retriev	864, "Ho red on 20	omo sap 004-06-	oiens SN0 21]. Retri	CA iso	form	(SNCA) g	ene, co	mple	ete cds,	alternativ	ely 📗	
	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus AF163865, Accession No. AF163865, "Mus musculus alpha-synuclein (Snca) gene, complete cds," [online]. Bethesda, MD [retrieved on 2004-06-21]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11118354" www.ncbi.nlm.nih.gov="">; 33 pgs.</url:http:>																
If you wish	n to ad	ld add	ional non-pat	ent literat	ure doc	ument	citation	informa	tion p	oleas	e click th	e Add	butt	on			
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Application Number		10721693			
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Art Unit		1635			
Examiner Name L. Wo		ollenberger			
Attorney Docket Number		48169.00016/P0011089.00			

1	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus AH003045, Accession No. AH003045, "Homo sapiens huntingtin (HD) gene, exon 1," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=663286" www.ncbi.nlm.nih.gov="">; 42 pgs.</url:http:>	
2	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000027, Accession No. NM_000027, "Homo sapiens aspartylglucosaminidase (AGA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=32313568" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
3	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000046, Accession No. NM_000046, "Homo sapiens arylsulfatase B (ARSB), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=38569404" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
4	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000049, Accession No. NM_000049, "Homo sapiens aspartoacylase (aminoacylase 1, Canavan disease) (ASPA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557334" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
5	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000147, Accession No. NM_000147, "Homo sapiens fucosidase, alpha-L1, tissue (FUCA1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=24475878" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	
6	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000152, Accession No. NM_000152, "Homo sapiens glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II) (GAA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11496988" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
7	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000153, Accession No. NM_000153, "Homo sapiens galactosylceramidase (Krabbe disease) (GALC), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557612" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
8	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000157, Accession No. NM_000157, "Homo sapiens glucosidase, beta; acid (includes glucosylceramidase) (GBA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4503934" www.ncbi.nlm.nih.gov="">; 7 pgs.</url:http:>	
9	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000158, Accession No. NM_000158, "Homo sapiens glucan (1, 4-alpha-), branching enzyme 1 (glucogen branching enzyme, Andersen disease, glycogen storage disease trype (IV)(GBE1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: db="nucleotide&val=4557618" entrez="" viewer.fcgi?="" www.ncbi.nlm.nih.gov="">; 2 pgs.</url:http:>	
10	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000181, Accession No. NM_000181, "Homo sapiens glucuronidase, beta (GUSB), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4504222" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
 11	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000199, Accession No. NM_000199, "Homo sapiens N-sulfoglucosamine sulfohydrolase (sulfamidase) (SGSH), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=31543619" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	



Application Number		10721693			
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Art Unit		1635			
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Attorney Docket Number		48169.00016/P0011089.00			

12	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000202, Accession No. NM_000202, "Homo sapiens iduronate 2-sulfatase (Hunter syndrome)(ID), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=5360215" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
13	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000203, Accession No. NM_000203, "Homo sapiens iduronidase, alpha-L-(IDUA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40354208" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
14	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000235, Accession No. NM_000235, "Homo sapiens lipase A, lysosomal acid, cholesterol esterase (Wolman disease) (LIPA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557720" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
15	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000262, Accession No. NM_000262, "Homo sapiens N-acetylgalactosaminidase, alpha- (NAGA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4557780" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
16	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000263, Accession No. NM_000263, "Homo sapiens N-acetylglucosaminidase, alpha-(Sanfilippo disease) (IIIB)(NAGLU), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40548380" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
17	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000310, Accession No. NM_000310, "Homo sapiens palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile) (PPT1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4506030" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
18	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000332, Accession No. NM_000332, "Homo sapiens spinocerebellar ataxia 1 (olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1) (SCA1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4506792" www.ncbi.nlm.nih.gov="">; 7 pgs.</url:http:>	
19	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000345, Accession No. NM_000345, "Homo sapiens synuclein, alpha (nonA4 component of amyloid precursor) (SNCA), transcript variant NACP140, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=6806896" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
20	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000404, Accession No. NM_000404, "Homo sapiens glactosidase, beta 1 (GLB1), tranascript variant 179423, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=10834965" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
21	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000434, Accession No. NM_000434, "Homo sapiens sialidase 1 (lysosomal sialidase)(NEU1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40806202" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
22		



Application Number	<u> </u>	10721693				
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Attorney Docket Number		48169.00016/P0011089.00				

23	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000487, Accession No. NM_000487, "Homo sapiens arysulfatase A (ARSA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=7262293" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
24	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000512, Accession No. NM_000512, "Homo sapiens galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA), (GALNS), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=9945384" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
25	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000520, Accession No. NM_000520, "Homo sapiens hexosaminidase A (alpha polypeptide) (HEXA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13128865" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
26	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000521, Accession No. NM_000521, "Homo sapiens hexosaminidase B (beta polypeptide) (HEXB), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13128866" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
27	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000528, Accession No. NM_000528, "Homo sapiens mannosidase, alpha, class 2B, member 1 (MAN2B1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=10834967" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
28	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_000543, Accession No. NM_000543, "Homo sapiens sphingomyelin phosphodiesterase 1 acid lysosomal (acid sphingomyelinase) (SMPD1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=40254417" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
29	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_002076, Accession No. NM_002076, "Homo sapiens glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease)(IIID)(GNS), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url: entrez="" http:="" viewer.fcgi?db="nucleotide&val=42490755" www.ncbi.nlm.nih.gov="">; 7 pgs.</url:>	
30	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_002778, Accession No. NM_0002778, Accession No. NM_000169, "Homo sapiens glactosidase, alpha (GLA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=4504008" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
31	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_002778, Accession No. NM_002778, "Homo sapiens prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy) (PSAP), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=11386146" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
 32	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_004315, Accession No. NM_004315, "Homo sapiens N-acylsphingosine amidohydrolase (acid ceramidase) 1 (ASAHI), transcript variant 2, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=30089929" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
33	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_004993, Accession No. NM_004993, "Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) (MJD), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13518018" www.ncbi.nlm.nih.gov="">; 9 pgs.</url:http:>	



Application Number		10721693		
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Attorney Docket Number		48169.00016/P0011089.00		

1	L		
	34	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_005908, Accession No. NM_005908, "Homo sapiens mannosidase, beta A, Iyosomal (MANBA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=24797157" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
	35	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_007308, Accession No. NM_007308, "Homo sapiens synuclein, alpha (nonA4 component of amyloid precursor) (SNCA), transcript variant NACP112, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=6806897" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
	36	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_009124, Accession No. NM_009124, "DEFINITION," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=33636695" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
	37	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_011792, Accession No. NM_011792, Version NM_011792.2, "Mus musculus beta-site APP cleaving enzyme 1 (Bace 1), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=31981411" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
	38	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_011792.2, Accession No. NM_011792, "Mus musculus beta-site APP cleaving enzyme (Bace), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=6857758" www.ncbi.nlm.nih.gov="">; 4 pgs.</url:http:>	
	39	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_012104, Accession No. NM_012104, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant a, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255011" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
	40	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_012104, Accession No. NM_012104, Version NM_012104.2, "Homo sapiens beta-site APP-cleaving enzyme (BACE), transcript variant a, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21040369" www.ncbi.nlm.nih.gov="">; 10 pgs.</url:http:>	
	41	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_013995, Accession No. NM_013995, "Homo sapiens lysosomal-associated membrane protein 2 (LAMP2), transcript variant LAMP2B, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=7669502" www.ncbi.nlm.nih.gov="">; 6 pgs.</url:http:>	
	42	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_030660, Accession No. NM_030660, "Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) (MJD), transcript variant 2, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=13518012" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	
	43	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_032520, Accession No. NM_032520, "Homo sapiens N-acetylglucosamine-1-phosphotransferase, gamma subunit (GNPTAG), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=42476109" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>	
	44	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138971, Accession No. NM_138971, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant c, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255012" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>	



Application Number		10721693		
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Examiner Name	L. Wo	ollenberger		
Attorney Docket Number		48169.00016/P0011089.00		

	45	Locu	onal Center for Biotechnology Information, National Library of Medicine, National S NM_138971, Accession No. NM_138971, Version NM_138971.1, "Homo sapyme (BACE), transcript variant c, mRNA," [online]. Bethesda, MD [retrieved on 2 met: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21</th" www.ncbi.nlm.nih.gov=""><th>iens beta 009-03-0</th><th>-site APP-cleaving 5]. Retrieved from the</th><th></th></url:http:>	iens beta 009-03-0	-site APP-cleaving 5]. Retrieved from the			
	46	Locu	onal Center for Biotechnology Information, National Library of Medicine, National S NM_138972, Accession No. NM_138972, "Homo sapiens beta-site APP-clear ant b, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from nih.gov/entrez/viewer.fcgi?db=nucleotide&val=46255013>; 8 pgs.	ving enzy	me 1 (BACE1), transcript			
	47	Locu enzy	onal Center for Biotechnology Information, National Library of Medicine, National S NM_138972, Accession No. NM_138972, Version NM_138972.1, "Homo sapigme (BACE), transcript variant b, mRNA," [online]. Bethesda, MD [retrieved on 2] net: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21</td" www.ncbi.nlm.nih.gov=""><td>iens beta- 009-03-0:</td><td>site APP-cleaving 5]. Retrieved from the</td><td></td></url:http:>	iens beta- 009-03-0:	site APP-cleaving 5]. Retrieved from the			
	48	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138973, Accession No. NM_138973, "Homo sapiens beta-site APP-cleaving enzyme 1 (BACE1), transcript variant d, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=46255014" www.ncbi.nlm.nih.gov="">; 8 pgs.</url:http:>						
	49	Locu: enzyi	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_138973, Accession No. NM_138973, Version NM_138973.1, "Homo sapiens beta-site APP-cleaving enzyme (BACE), transcript variant d, mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=21040367" www.ncbi.nlm.nih.gov="">; 10 pgs.</url:http:>					
	50	Locus [retries	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus U24233, Accession No. U24233, "Mus musculus huntingtin (Hd) mRNA, complete cds," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=902003" www.ncbi.nlm.nih.gov="">; 5 pgs.</url:http:>					
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First Named Inventor	Willia	m F. Kaemmerer	
Art Unit		1635	
Examiner Name	L. Wo	llenberger	
Attorney Docket Number		48169.00016/P0011089.00	

1	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus XM_032588, Accession No. XM_032588, "homo sapiens dentatorubral-pallidoluysian atrophy (artrophin-1) (DRPLA), mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=20555988" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	
2	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus XM_132846, Accession No. XM_132846, "Mus musculus dentatorubral pallidoluysian atrophy (Drpla) mRNA," [online]. Bethesda, MD [retrieved on 2009-03-05]. Retrieved from the Internet: <url:http: entrez="" viewer.fcgi?db="nucleotide&val=20832263" www.ncbi.nlm.nih.gov="">; 3 pgs.</url:http:>	
3	Noonberg et al., Nucl. Acid Res. 22(14) 2830-2836 (1994)	
4	Noordmans et al., Soc. Neurosci. Abstr. 27, Program 572.14 (2001)	
5	Ohkawa Nucl. Acid. Symp. Ser. 27, 15-16 (1992)	
6	OHNO et al., "BACEI Deficiency Rescues Memory Deficits and Cholinergic Dysfunction in a Mouse Model of Alzheimer's Disease," Neuron, January 2004; 4I: 27-33	
7	Ojwang et al., Proc. Nat. Acad. Sci. 89 10802-10806	
8	Paxinos et al The Mouse Brain in Stereotactic Coordinates, Acad. Press 2nd Ed. (2001)	
9	POTTER, N. T. et al., "Technical standards and guidelines for huntington disease testing," Genetics in Medicine 6:61-65 (2004)	
10	Promega Corporation, T4 DNA Ligase Blue/White Cloning Qualified, Part# 9PIM180, Revised 4/05, 2 pgs	
11	Promega Corporation, T4 DNA Polymerase(a), Part# 9PIM421, Revised 5/04, 2 pgs	



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12	Qiagen, Qiaex II Handbook, February 1999, 24 pgs.	
13	Qiagen, Rneasy Mini Handbook, 3rd Edition, June 2001, 116 pgs.	
14	R&D Systems, ß-Secretase Activity Kit, Catalog Number FP002, 08/02, 2 pgs.	
15	ROBERDS et al., "BACE knockout mice are healthy despite lacking the primary ß-secretase activity in brain: implications for Alzheimer's disease therapeutics," Human Molecular Genetics, June 2001; 10(12): 1317-1324	
16	Ryu, Biomaterials 26: 319-326 (2005)	
17	Salehi et al., J. Neural Transm. 106 955-986 (1999)	
18	Sapru et al., Annual Meeting Soc. Neurosci. Abstract 297.9, XP001204566 (2003)	
19	Sarver et al., Science 247, 1222-1225 (1990)	
20	Scanlon et al., Proc. Nat. Acad. Sci. 88, 10591-10595 (1995)	
21	SCHENK, "Amyloid-ß immunotherapy for Alzheimer's disease: the end of the beginning," Nature Reviews - Neuroscience, October 2002; 3: 824-828	
22	Scherr et al., Cell Cycle 2(3) 251-257 (2003)	



Application Number		10721693		
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23	Serra et at., Medical Image Analysis 1(4) 317-329 (1996)	
24	Singer et al., Nat. Neurosci. 8(10) 1343-1349 (ePub Aug 28, 2005)	
25	Stackman et al., Experimental Neurology 184, 510-520 (2003)	
26	Strategene, AAV Helper-Free System, Instruction Manual, Catalog #240071, #240074, #240075, Revision #084007i, August 2004, 50 pgs	
27	Strategene, pBluescript® II Phagemid Vectors, Instruction Manual, Catalog #212205, #212206, #212207, #212208, Revision #083001m, August 2003, 35 pgs	
28	Sullenger, Science 262, p. 1566 (12.03.1993)	
29	Taira et al., Nucl. Acid. Res. 19(19) 5125-5130 (1991)	
30	Thompson et al., Nucl. Acid. Res. 23(12), 2259 (1995)	
31	Timson et al., Biochem J 363:515-520 (2002)	
32		
33		



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Attorney Docket Number		48169.00016/P0011089.00		

34	Tuscjl Lab, "The siRNA user guide," Revised May 2004, [online]. Retrieved on 2005-11-29. Retrieved from the Internet: <url:rockefeller.edu labheads="" sirna.html="" tuschl="">; 6 pgs.</url:rockefeller.edu>	
35	Valbonesi et al., Ttransf. And Apheresis Sci. 30: 153-156 (2004)	
36	VAN BILSEN et al., "Identification and allele-specific silencing of the mutant huntingtin allele in Huntington's disease patient-derived fibroblasts," Human Gene Therapy, Vol. 19, pp. 710-718 (2008)	
37	Vassar et al., Science 286 735-741 (1999)	
38	Ventura et al., Nucl. Acid. Res. 21(14) 3249-3255 (1993)	
39	Vickers, Journal of Bio. Chemistry, Vol. 278, No. 9 7108-7118 (2003)	
40	Watanabe et al., J. Mol. Cel. Card. 37 (3) 691-698 (2004)	
41	Weerasinghe et al., J. Virol. 65(10), 5531-3334 (1991)	
42	Whitesell et al., Proc. Nat. Acad. Sci. 90: 4665-4669 (1993)	
43	Xia et al., Nat. Biotech. 20, 1006-1010 (2002)	
44	Xia et al., Nat. Med. 10(8) 816-820 (2004)	



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	45	Yamamoto et al., Cell 101, 57-66 (2000)					
	46	Yu et al., Proc. Nat. Acad. Sci. 90 6340-6344 (1993)					
	47	Yu et al., Proc. Nat. Acad. Sci. 99 6047-6052 (2002)					
	48	Zhang et al., "Global Non-Viral Gene Transfer to the Primate Brain Following Intravenous Administration," Molecular Therapy, January 2003; 7(1): 11-18.					
	49	Zhang et al., "In vivo knockdown of gene expression in brain cancer with intravenous RNAi in adult rats," J. Gene Med., 2003; 5:1039-1045; published online 4 August 2003.					
	50	Zhang et al., "Intravenous RNA Interference Gene Therapy Targeting the Human Epidermal Growth Factor Receptor Prolongs Survival in Intracranial Brain Cancer," Clinical Cancer Research, June 1, 2004; 10:3667-3677.					
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	1	Zhang et al., 1996 J. Mol. Neurosci. 7: 13-28 (1996)				
	2	Zhao et al., J. Biol. Chem. 271(49), 31407-31411 (Dec. 1996).				
	3	Zlokovic et al., Neurosurgery 40 805-813 (1997)				
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